

Office of Naval Research Global 2012 Recruiting Brief

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<http://www.onr.navy.mil/Science-Technology/ONR-Global.aspx>



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Why You Should Be a Part of ONR Global

- Experience unique professional development and travel opportunities
- Enhance your Fleet Force Awareness
- Be an integral part of senior-level decision making
- Expand your peer collaboration network opportunities and establish friendships that will last a lifetime
- Strengthen ties to international peers in your area of expertise
- Take your personal and professional growth to the next level
- Our Science Advisors have over 591 years and the Associate Directors over 600 years of total experience



ONR Global Presence

Washington, D.C. Region

Director, International Liaison Office
 Director, Fleet/Forces
 CNO N2/N6 ★★ ★★
 CNO N9 ★★ ★★
 CNO N81 ★★
 C10F ★★ ★★

Mechanicsburg

NAVSUP ★★

ONRG London

Technical Director
 Executive Officer
 Region Director
 Associate Directors

ONRG Prague

Associate Directors

ONRG Tokyo

Region Director
 Associate Directors

San Diego

C3F ★★ ★★
 SURFOR ★★ ★★
 I MEF ★★ ★★
 NMAWC ★★

Newport

CNO SSG ★★ ★★ ★★

Dahlgren

NAMDC ★★

Norfolk

FLTFOR ★★ ★★ ★★
 AIRFOR ★★ ★★
 SUBFOR ★★ ★★
 MARFOR ★★ ★★
 NECC ★★
 NWDC ★

Naples

C6F ★★ ★★

Bahrain

C5F ★★ ★★

Yokosuka

C7F ★★ ★★

Okinawa

III MEF ★★ ★★

Mayport

C4F ★★

Camp LeJeune

II MEF ★★

ONRG Santiago

Region Director
 Associate Directors

ONRG Singapore
 Commanding Officer
 Associate Directors



- ★ Joint Command
- ★ Naval Command
- ★ Marine Corps Command

ONRG co-located with other DoD S&T components

- London (USA/USAF)
- Tokyo (USA/USAF)
- Santiago (USA/USAF)
- Singapore (USA only)



Science Advisors Strive To:



- **Be the CNR's ambassador to the Command**
- Articulate Fleet Force S&T needs and requirements to ONR, NRL, NRE
- Communicate Command issues to CNR, ONR leadership and Program Officers
- Socialize with the Command ONR S&T capabilities and projects
- Serve as ONR on site rep during Fleet Tech exercises and demonstrations
- Provide onsite technical expertise to the Commanders and Staff they serve
- Lead S&T planning & experimentation processes to focus on meeting critical needs, then assist in transition of key technologies to the Warfighter

SA Community has over 591 years of broad, professional experience.



Associate Directors Strive To:



- Act as a tech broker linking ONR, NRL, the NRE with International S&T
- Identify disruptive S&T in order to avoid Naval technical surprise
- Leverage VSPs, CSPs, NICOPs to provide tangible links between foreign scientists and their Naval counterparts
- Maintain understanding of ONR, NRL needs through regular meetings with ONR, NRL POs and scientists
- Gain enhanced awareness of S&T through direct, regular contact with international colleagues
- Provide ONR forward presence with global innovators and technologists
- Many have linguistic expertise to facilitate engagement



SA/AD Long-Term Value

- Threefold return on the Investment:
 - Serving Naval Commands and International Collaboration
 - Reachback to ONR, NRL, NRE
 - **PRICELESS**: Developing a “hands-on” experience with Fleet Force operations and International Science which you can leverage for the remainder of your 20+ year careers



Requirements to Become an SA

- **Apply through USAJOBS** (announcement occurs ~6 months prior to deployment)
- **Contact Existing Science Advisors**, talk to your lab/warfare center SA Program Manager
- Most are senior engineers & scientists with **over 10 years of practical experience** working on Fleet Force Systems (Aircraft, Ship, Submarines, Components) & Processes
- **Have Experience Interacting and Briefing** Flag/General Officers and SES
- **Provide an Endorsement Letter** from your “Home” Command
 - Approves you applying to become an ONR SA
 - Home command agrees to take you back at equal or greater pay, position at end of tour
- Must Have a **TS SCI Clearance** at the start of the assignment
- Must Be a **Self-Starter, Highly Motivated, Agent of Change**, and have a **Positive Attitude**
- **Strong Communication Skills**
- Can **maintain a sense of humor** under high stress situations
- **Customize your resume to address SA unique key terms. Be Honest, DON'T Be Modest!**



Required/Desired AD Attributes

Required

- Strong technical credentials
- Interest in technical broker role
- Ability to network/interface
- US citizenship
- Ability to live overseas
- Ability to travel extensively

Desired

- PhD in relevant field
- Experience with ONR/NRE
- Foreign language capability (required for some positions)
- International S&T experience

- Associate Director candidates should apply to ONR Global's HR Manager, Ms. Pat Harris. Send resumes to patricia.harris32.ln@mail.mil
- Position announcements are posted on ONR Global external website <http://www.onr.navy.mil/Science-Technology/ONR-Global.aspx>



ONRG Alumni: Where Are They Now?

- Several have become SES, STs within a year of their tour
- Some return to challenging new assignments back at their Home Command/Institution
- Others realize the SA/AD experience opens new doors to opportunities
- New Focus: End of Tour Package for return to Home Command
- In 2008-2012: SAs received 15 Meritorious & 8 Superior Civilian Service Awards
- In 2009-2012: ADs received 1 Meritorious Civilian Service Award
- Mr. Elmer Roman – “Estrella al Mérito Militar” Award from the Chilean Ministry of Defense



SA/ AD Training

One Week Orientation prior to your Assignment (June)

Coaching on Key Communication Tools

- Point paper design, bios, briefs, quad charts, Letter of Intent

Collaboration with SA and AD Communities

- ONRG Program Review
- Fall Navy/Industry Technical Review
- Synergy among ONR, ONR Global Peers
- Build Friendships and Contacts that last a lifetime

Fleet Force & ILO Directors Sounding Board, Guidance

Peer Mentorship Program



Potential Vacancies in Summer 2013*

Science Advisor:

NAVAIRFOR (Norfolk, VA)

USFLTFOR (Norfolk, VA)

MARFORCOM (Norfolk, VA)

NECC (Norfolk, VA)

CNO SSG (Newport, RI)

FLTCYBERCOM/C10F (Ft. Meade, MD)

OPNAV N2/N6 (Arlington, VA)

PACOM (Camp Smith, HI)

PACFLT (Pearl Harbor, HI)

I MEF (Camp Pendleton, CA)

C3F (San Diego, CA)

Associate Director*:

Global Tech Awareness India (Singapore)*

Autonomy & Unmanned Systems (London)*

Total Ownership Cost –Materials Science (London)*

Global Tech Awareness Central/Eastern Europe (Prague)*

Power and Energy (Singapore)*



For AD positions, apply through USAJOBS:
<https://www.usajobs.gov/GetJob/ViewDetail/s/326886300>



* New SAs/ADs in place July/Aug 2013



Potential Vacancies in Summer 2014*

Science Advisor:

NWDC (Norfolk, VA)
NAMDC (Dahlgren, VA)

NMAWC (San Diego, CA)
CNSP/CNSL (San Diego, CA)

III MEF (Okinawa, Japan)
C7F (Yokosuka, Japan)

II MEF (Camp LeJeune, NC)

SUBPAC Pearl Harbor, HI)
MARFORPAC (Camp Smith, HI)

CNO / N81 (Arlington, VA)
C4F (Mayport, FL)

NAVCENT/C5F (Bahrain)

NAVAF / NAVEUR / C6F (Naples, Italy)

Associate Director*:

Platform Design & Survivability (London)

Information Dominance (London)

Global Technical Awareness Japan (Tokyo)

* New SAs/ADs in place July/Aug 2014



Back up Slides



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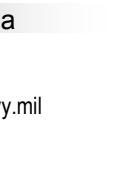
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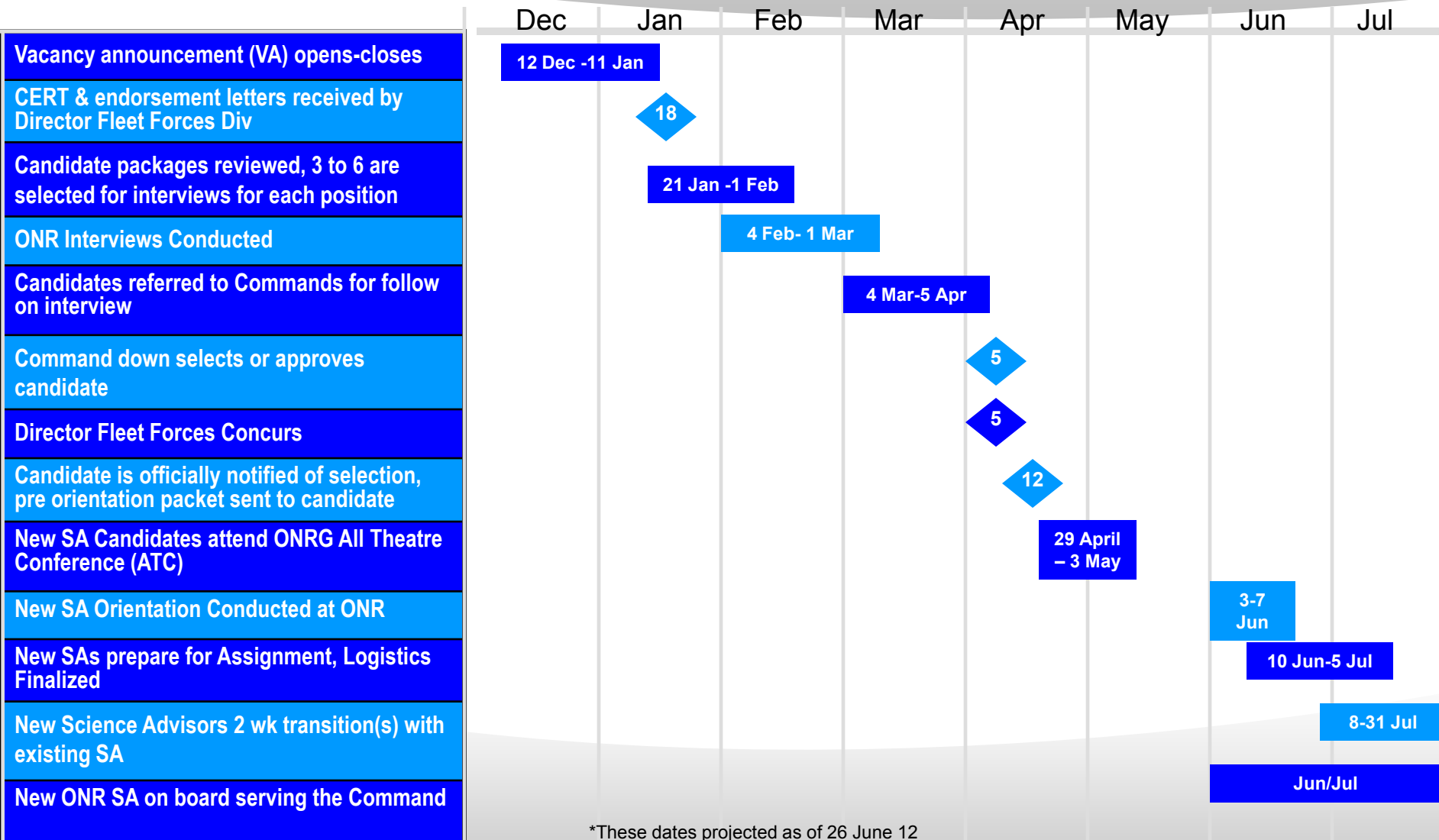
Recruiting Brief Schedule*

as of 13 September

Date	Command	Local POC
Wed, 3 Oct (AM)	Patuxent River NAS	Becky Ahne
Wed, 3 Oct (PM)	Dahlgren	Cheryl Reckeweg
Thur, 4 Oct	Dam Neck	Roberta Marable
Tue, 9 Oct	Philadelphia (VTC)	Garth Jensen/Peter Cho
Wed, 10 Oct	Penn State, ARL	Patricia Gruber
Tue, 16 Oct	NUWC	Chris Julius
Wed, 7 Nov	Crane (VTC)	David Acton
Thu, 8 Nov	Carderock	Garth Jensen
Tue, 27 Nov	Point Mugu, China Lake	Larry Merwin
Wed, 28 Nov	SSC San Diego	John Myles
Tue, 4 Dec	JHU/APL	Dennis Ryan
Tue, 11 Dec	SSC Hawaii	Donn Murakami
Thur, 13 Dec (AM)	Orlando/NAVAIR (VTC)	Robert Seltzer
Thur, 13 Dec (PM)	Panama City, FL (VTC)	Jody Wood-Putnam
Thu, 6 Dec	SSC Charleston (VTC)	Michael Merriken
Fri, 14 Dec	ONR/NRL	Peter Cho/ GP Sandhoo
Mon, 17 Dec	* Tentative Navy Year For Planning Purposes	



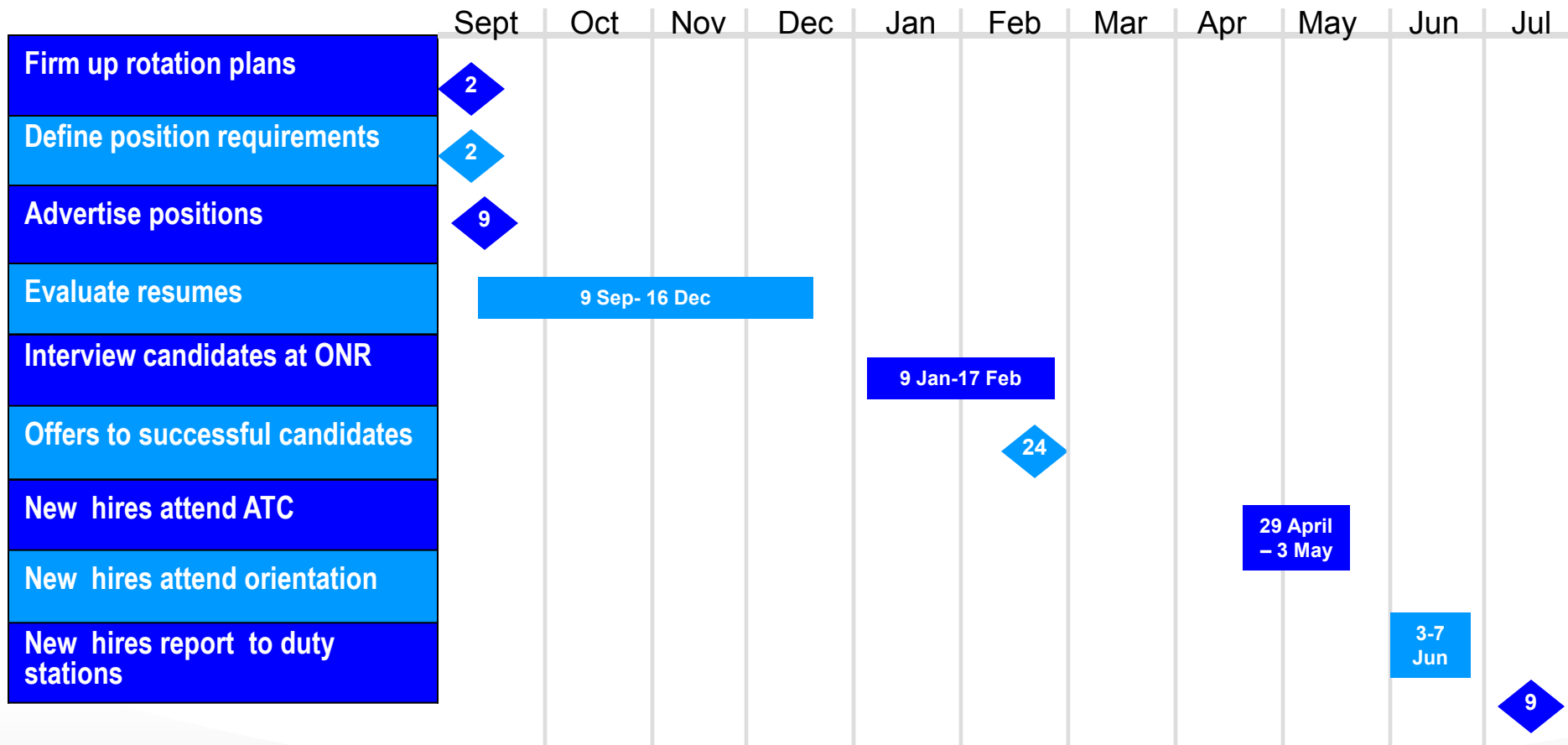
FY 13 ONR SA Selection Process



*These dates projected as of 26 June 12



FY 13 ONR AD Selection Process



*These dates projected as of 1 June 11



Science Advisor Success Stories

- Donn Murakami (Marine Forces, Pacific) – championed the Micro Auto Gasification System (MAGS). The system safely disposes of all waste generated in remote and expeditionary sites (FOBs).
- Howard McCauley (COMNAVAIRFOR) - Improved jersey and pants design that meets fire resistance safety requirements, is more comfortable to wear in hot weather, and has utility features like pockets designed to hold tools typical of the flight deck environment.
- Jim Fowler (NECC) – Riverine & Intercoastal Operations (RIO) JCTD integrates surface, subsurface, shoreline, and littoral sensors and distribution of the sensor data into surveillance and communications networks to provide the Joint & Coalition Warfighter a persistent riverine presence
- Operation Tomodachi (SAs from PACOM; III MEF; Marine Forces, Pacific; C&F, COMPACFLT) set up an S&T Cell to provide tech insertion, assessment of radiological status, airborne plume modeling, reactor status, and hydrodynamic modeling and ocean monitoring.



Associate Director Success Stories

- Pitch-Adapting Propeller - Tip of composite propeller blade redesigned to deform as it rotates through non-uniform flow, resulting in improved efficiency, lower maintenance and life-cycle cost savings – partnered with German scientists.
- Swimmer Detection - Multi-node swimmer detection sonar network. Multiple nodes reduce interference from scattering and reduces false targets – partner with Singapore.
- Enhanced Lightweight AUV - developed under a NICOP in cooperation with ONR Tech Solutions. NICOP used to synthesize hydrographic expertise into a one-man portable mapping package for expeditionary surveys.
- Low Cost Titanium –NICOP led DARPA to work with UK and US industry to reduce Ti production costs and investigate previously unattainable Ti alloys. At least three companies are launching new products based on the low-cost technologies.



FY12 International S&T Engagement

NORTHCOM

Canada
Mexico

EUCOM

Austria
Belgium
Bulgaria
Croatia

Czech Republic
Denmark
Finland
France
Georgia

Germany
Greece
Hungary
Ireland
Israel

Italy
Lithuania
Moldova
Netherlands
Norway
Poland

Portugal
Republic of
Moldova
Republic of
Montenegro
Romania

Russia
Serbia
Spain
Sweden
Switzerland
United Kingdom
Ukraine

PACOM

Australia
Bangladesh
India
Japan
Malaysia
New Zealand
Philippines
Singapore
South Korea
Sri Lanka
Taiwan
Thailand
Vietnam

SOUTHCOM

Argentina
Belize
Brazil
Chile
Costa Rica
Panama

AFRICOM

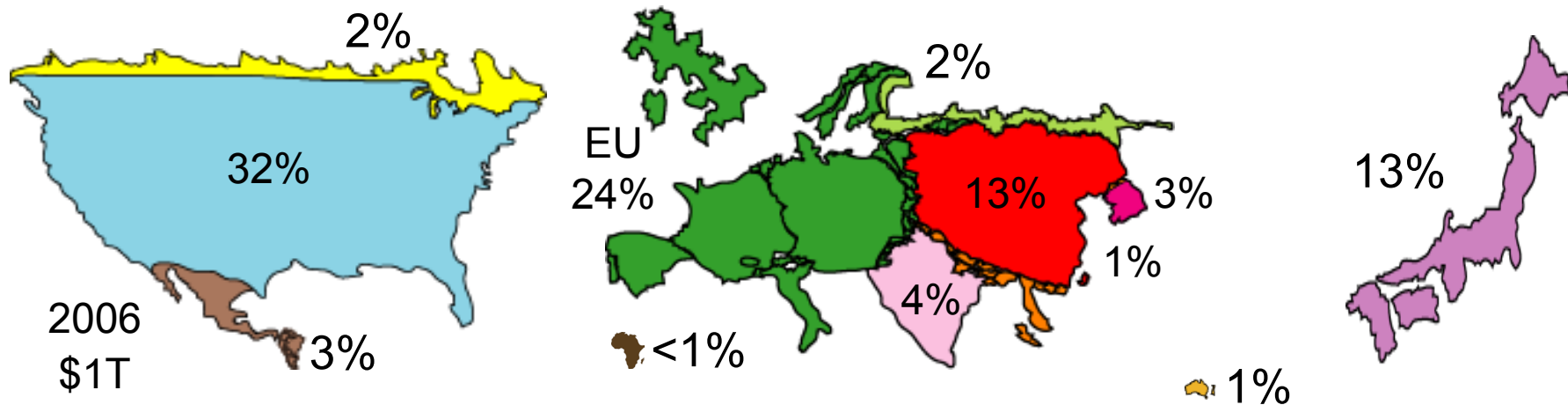
Ethiopia
South Africa

340 CSPs, VSPs, and NICOPS with 54 countries totaling
\$11.3 million



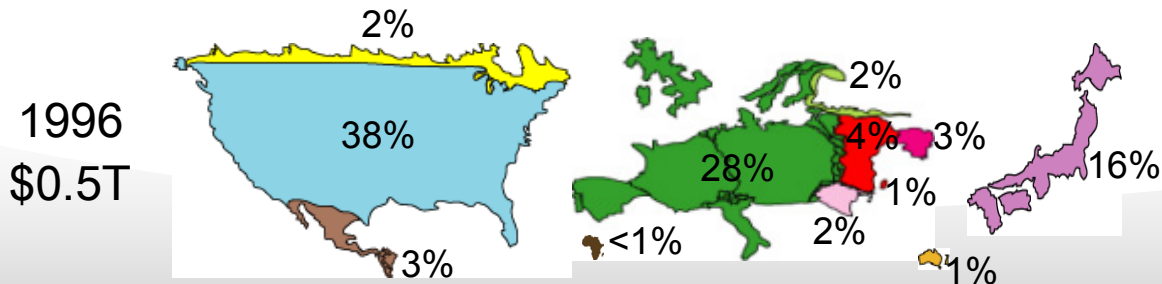
World S+T Investment Dynamics

100% Global S&T Investment Growth in a Decade



** OECD 2007 PPP; 2007 Global R&D Report (Battelle)

+100%
Growth in Global
S&T Investment



* UIS S&T database; World Bank - PPP data

20% Dilution of Relative US S&T Investment in a Decade



SA/AD Reachback

